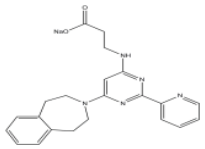
PRODUCT: GSK-J1 sodium salt

ALTERNATE NAME: 3-((6-(4,5-dihydro-1H-benzo[d]azepin-3(2H)-yl)-2-(pyridin-2-yl)pyrimidin-4-yl)amino)propanoate, monosodium salt

CATALOG #: 2260-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{22}H_{22}N_5O_2 \cdot Na$

MOLECULAR WEIGHT: 411.43

CAS NUMBER: N/A

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO

PURITY: ≥95%

STORAGE: At -20° C. Protect from light and moisture

DESCRIPTION: A potent and selective inhibitor of the H3K27 histone demethylases JMJD3 and UTX (IC_{50} = 60 nM for human JMJD3 *in vitro*). It is inactive against a panel of other JMJ family demethylases, including several variants of JMJD2 and JMJD1 and, at higher concentrations (30 µM), has no effect on more than 100 different kinases or other unrelated proteins, including other chromatin-modifying enzymes such as histone deacetylases.

REFRENCE: Kruidenier, L. *et al*. (2012). *Nature* **488,** 404-408.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

GSK-J4 hydrochloride **(Cat. No. 2259-1, 5)**
β-Lapachone **(Cat. No. 2262-5, 25)**
Tranylcypromine hemisulfate **(Cat. No. 1816-25, 100)**

USAGE: ***FOR RESEARCH CH USE ONLY! Not to be used in humans***

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